

FIGURE 1A

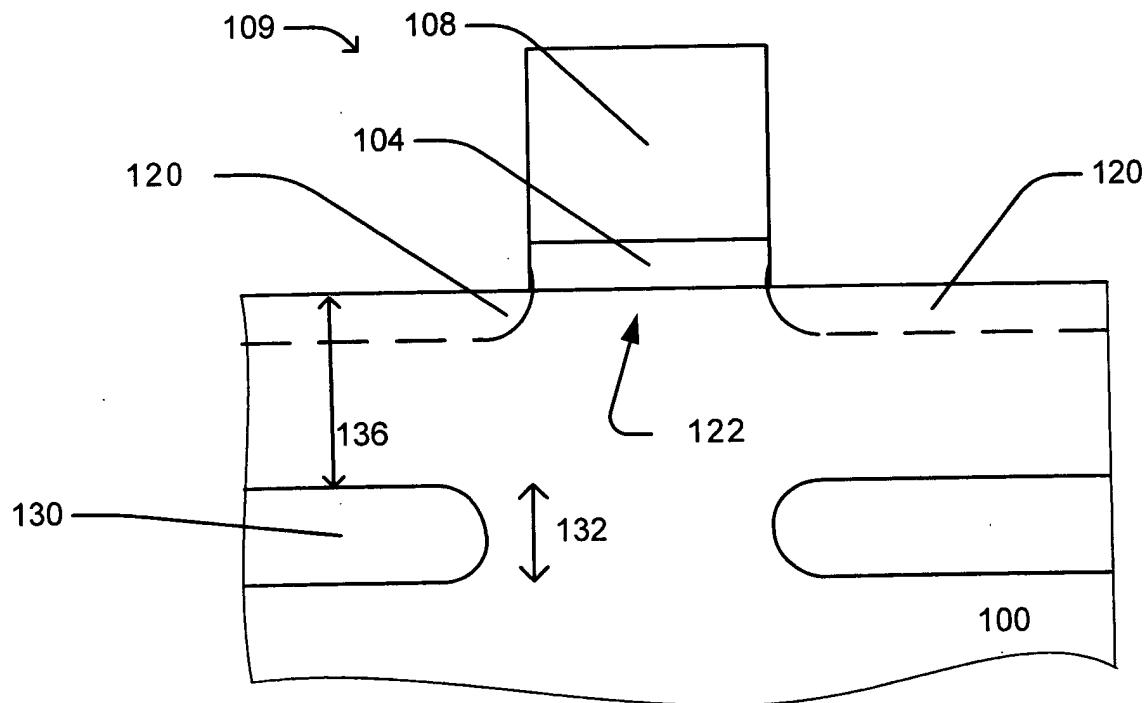


FIGURE 1B

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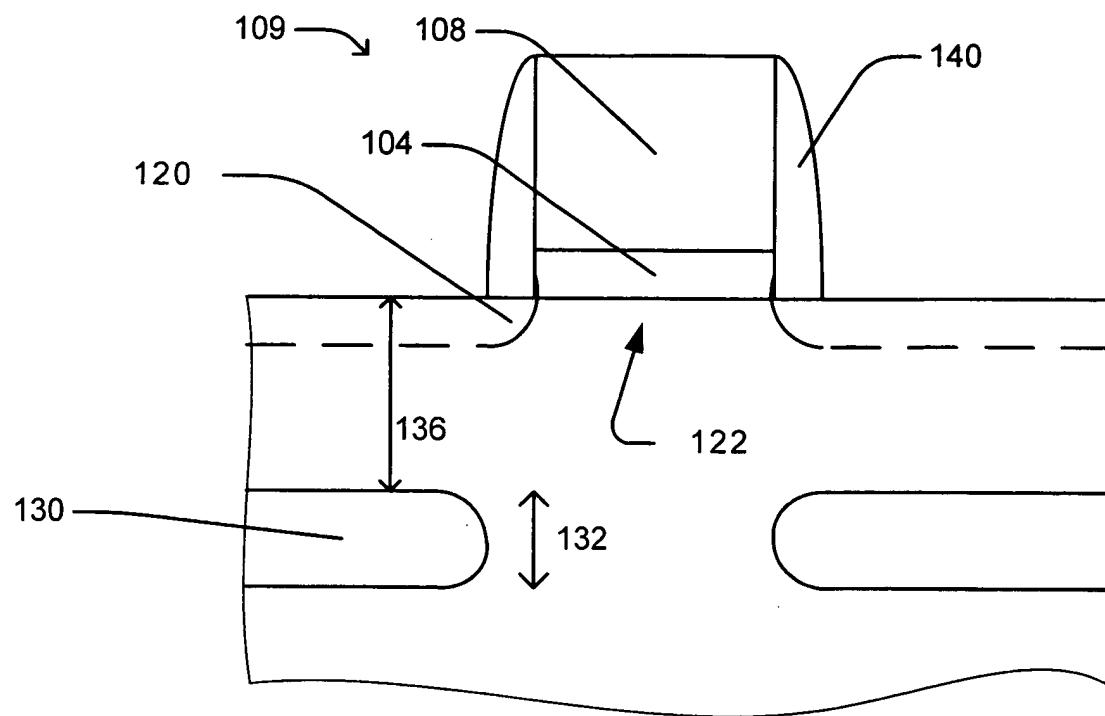


FIGURE 1C

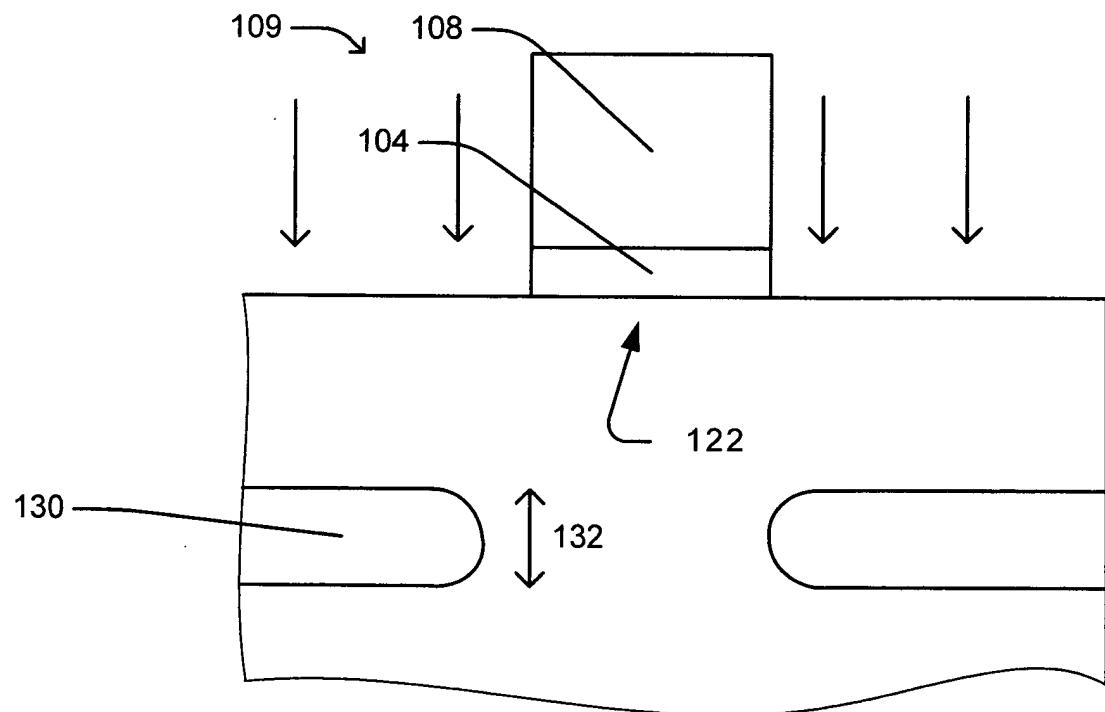


FIGURE 2A

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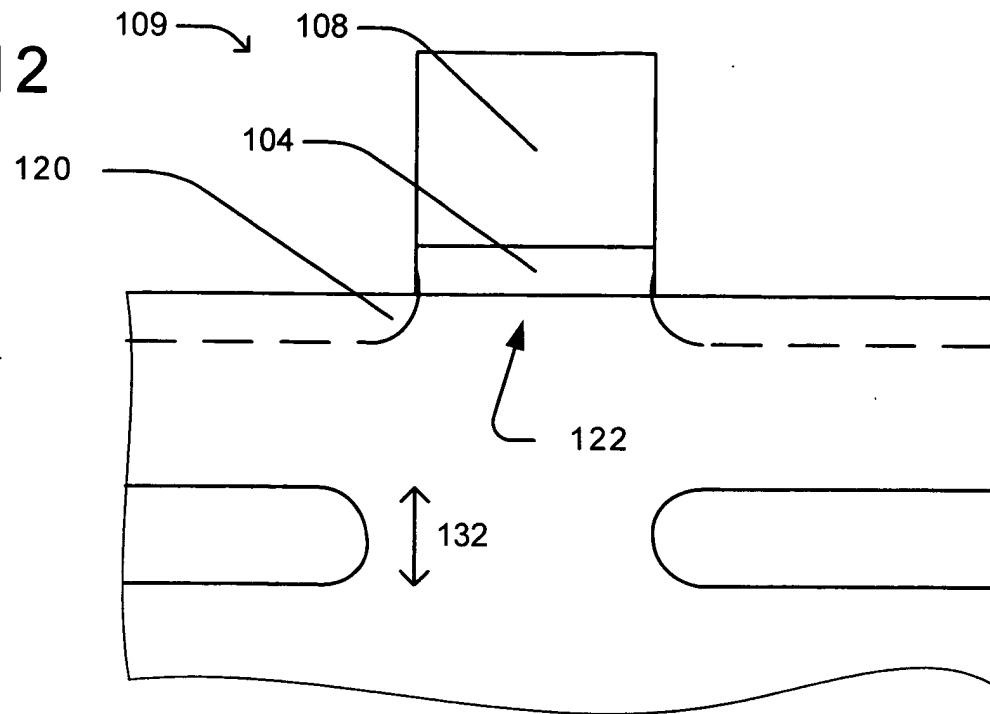


FIGURE 2B

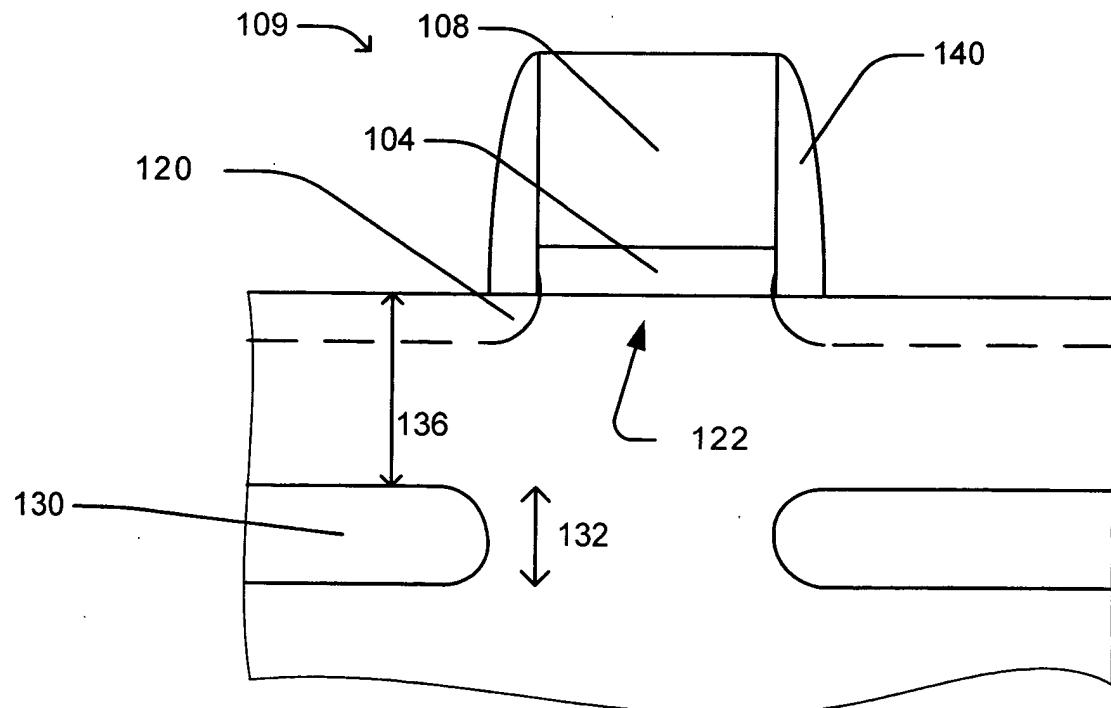


FIGURE 2C

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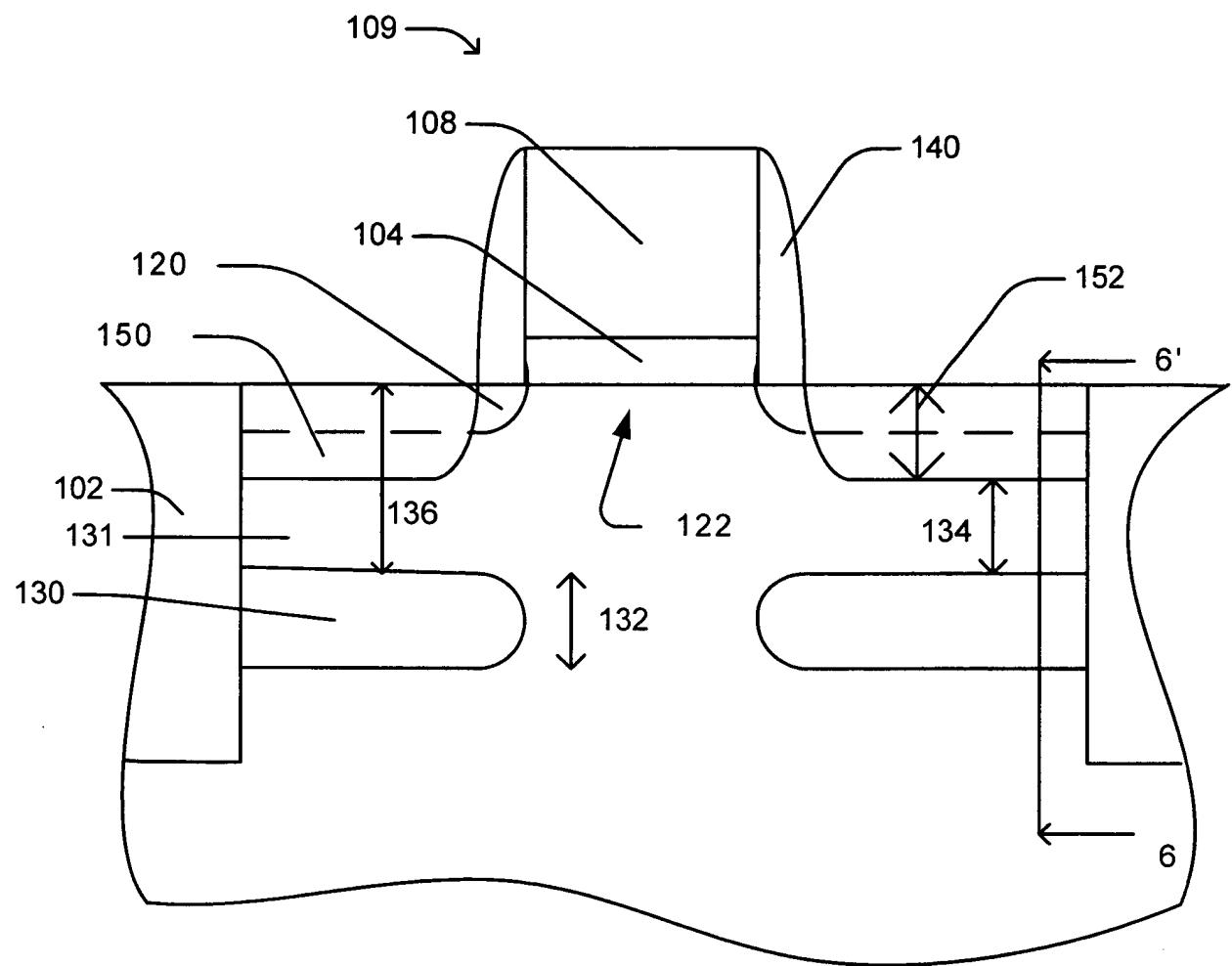


FIGURE 3A

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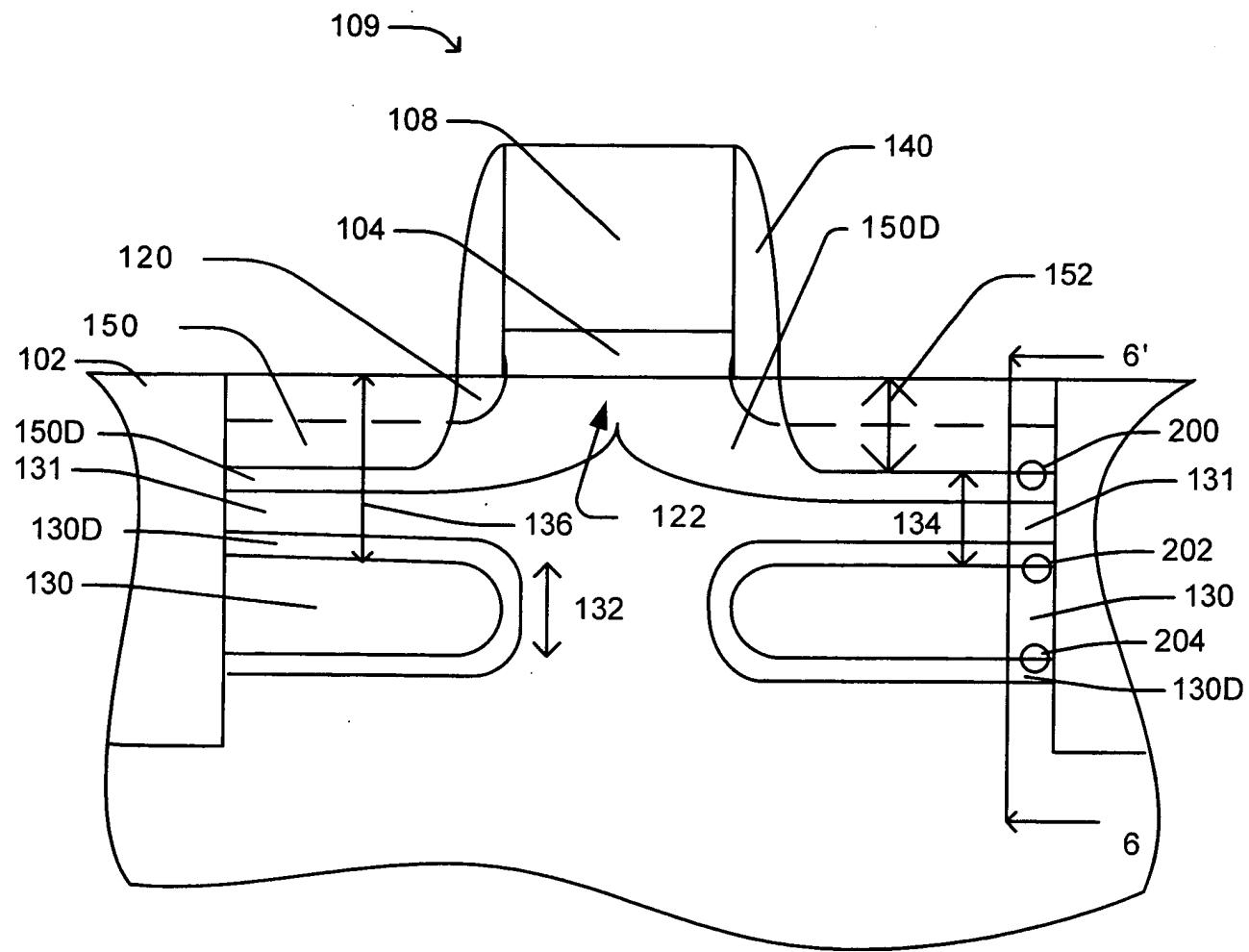


FIGURE 3B

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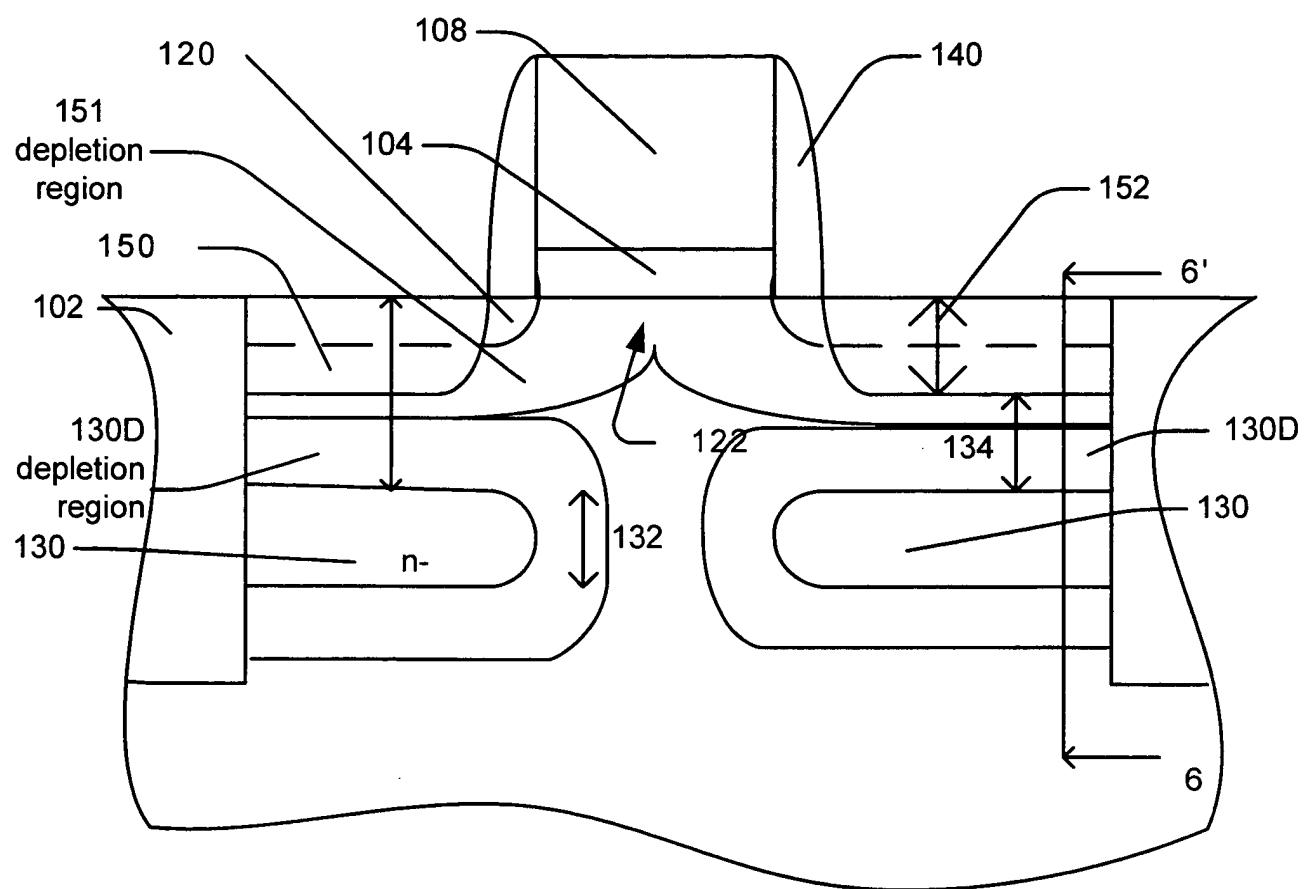
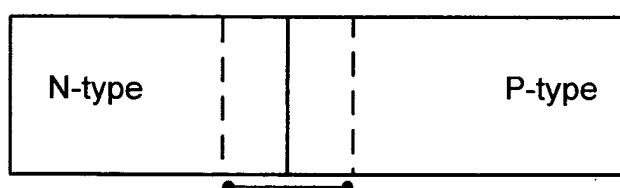


FIGURE 3C



DEPLETION REGION DUE TO DEPLETION OF CARRIERS

FIGURE 3C-1 PRIOR ART

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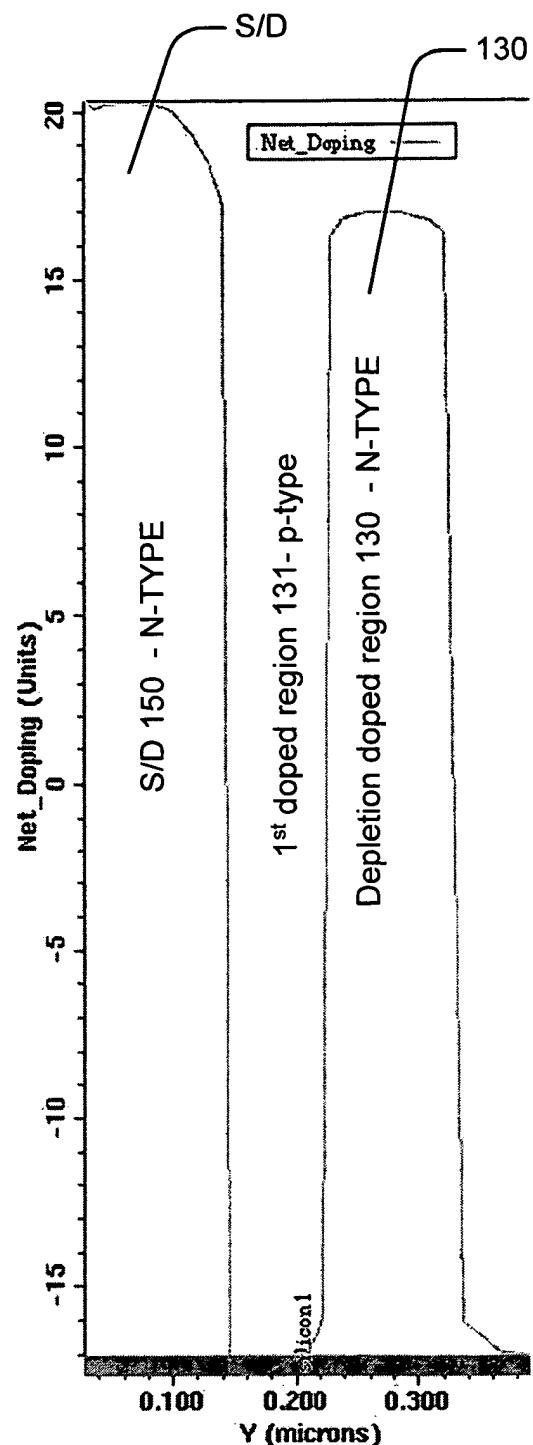
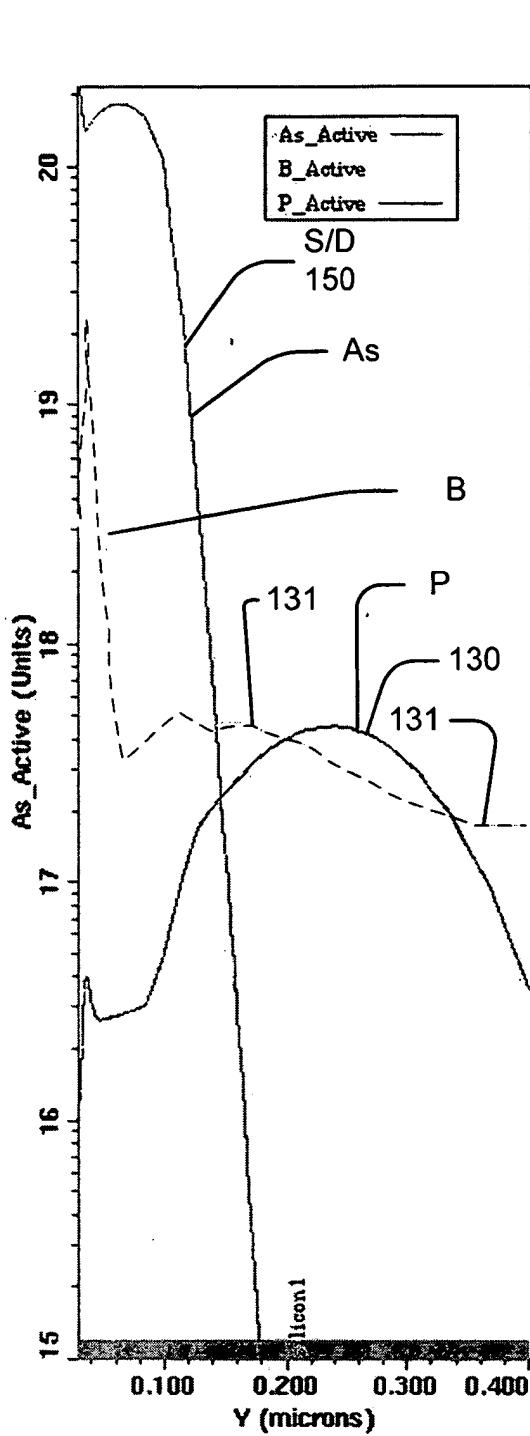


FIGURE 4A

FIGURE 4B

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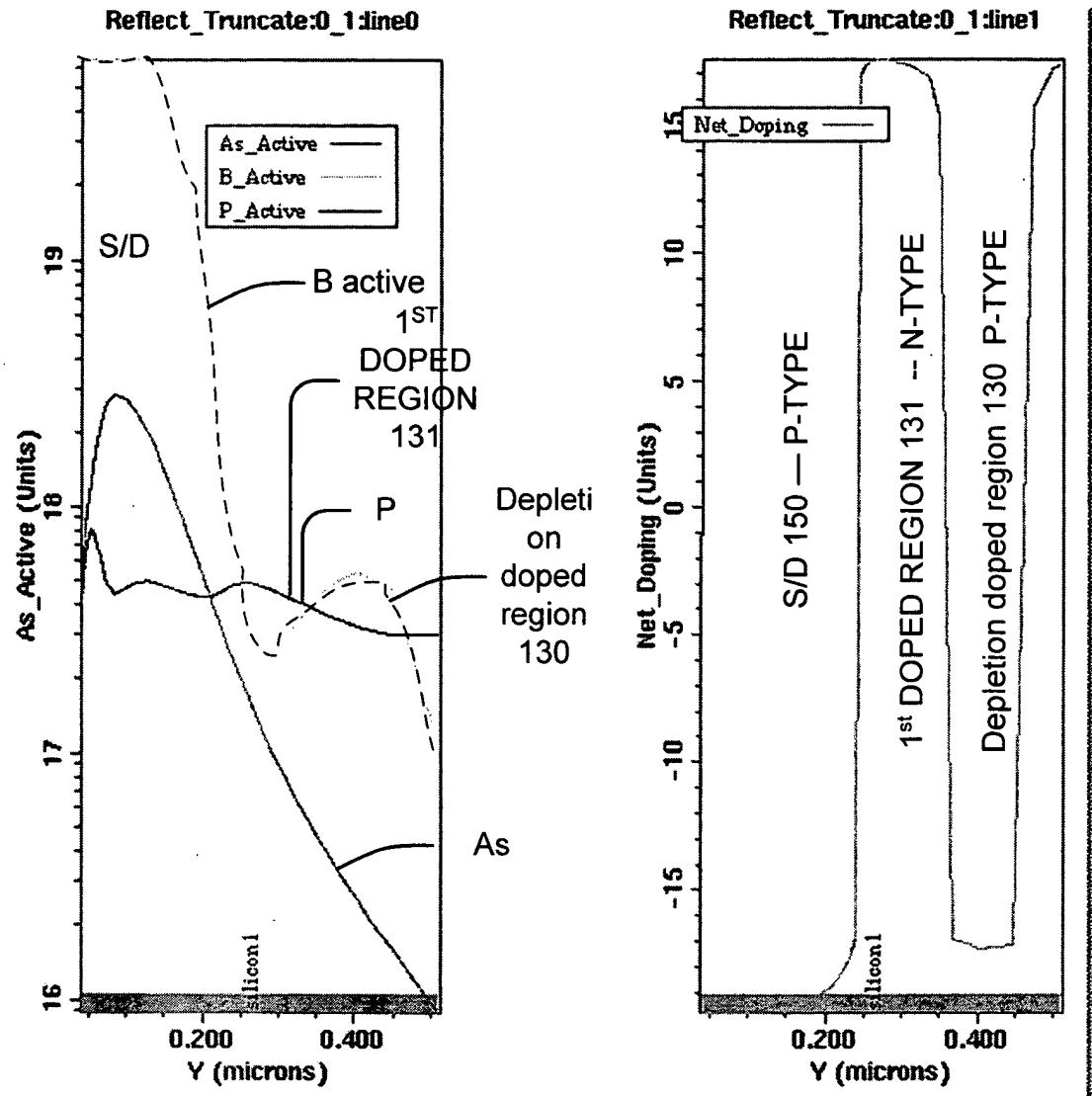


FIGURE 5A

FIGURE 5B

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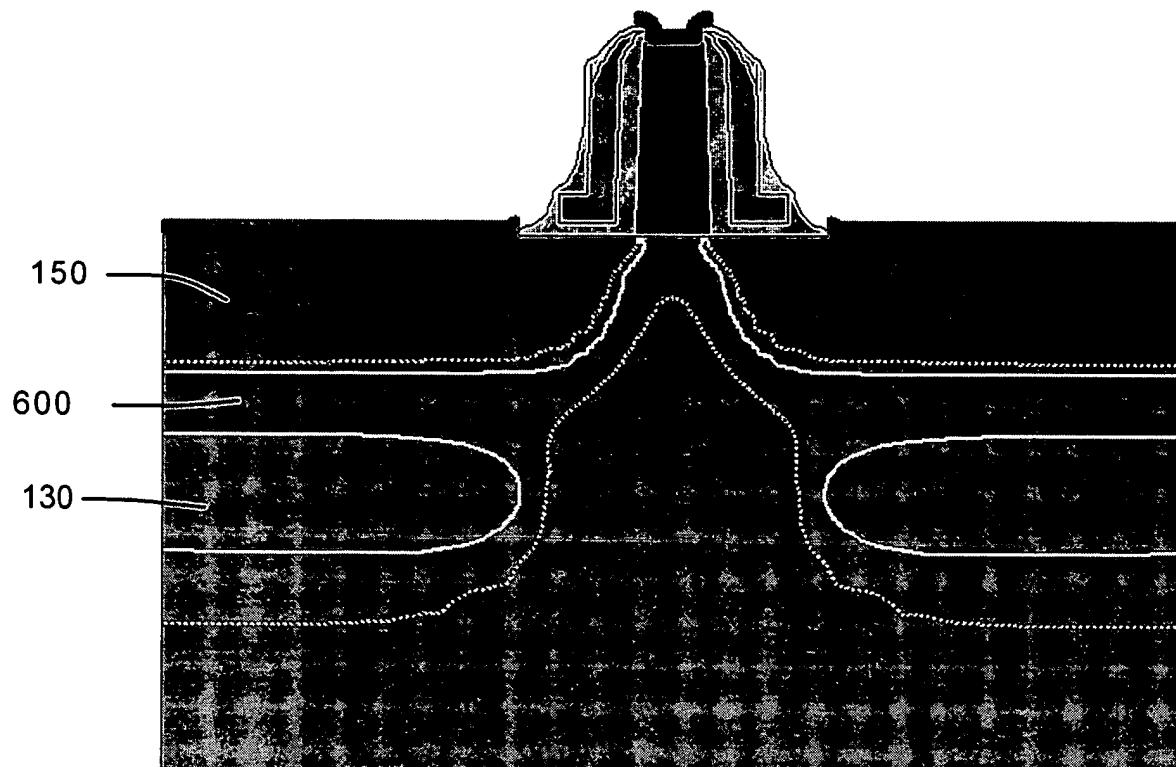
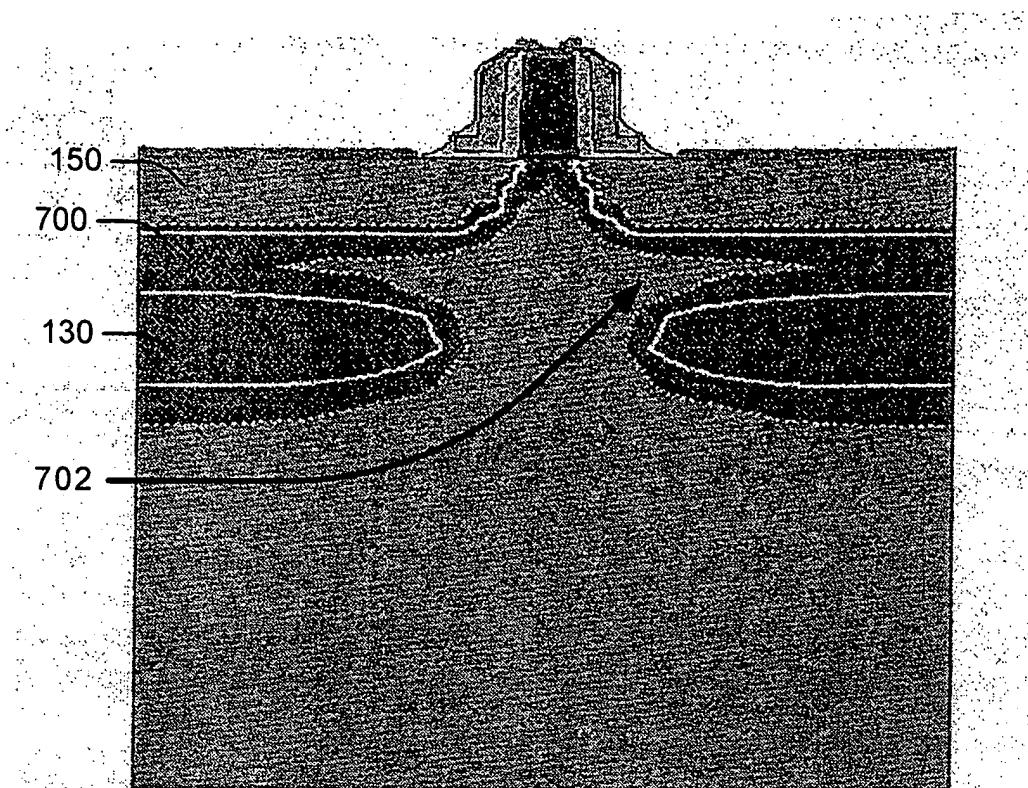


FIGURE 6



	nMOSFET	
	SDSODEL	Conventional
Energy (keV)	155	~
Dose (atoms/cm ²)	1.00E+13	~
C _j @ 0V (F/cm ²)	8.00E-08	1.93E-07
C _j @ 1.2V (F/cm ²)	3.43E-08	1.30E-07

C_j : JUNCTION CAPACITANCE BETWEEN SOURCE/DRAIN

FIGURE 7

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FIG. 8A

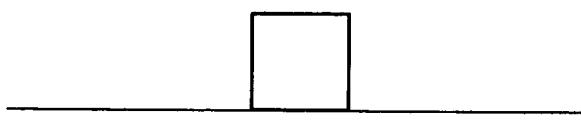


FIG. 8B

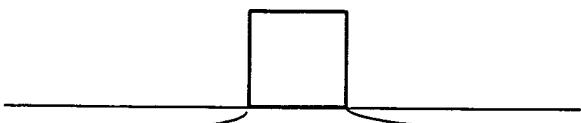


FIG. 8C

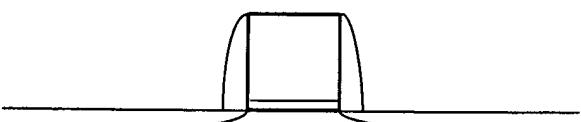


FIG. 8D

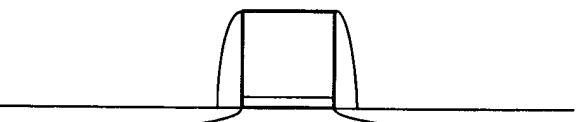


FIG. 8D-1

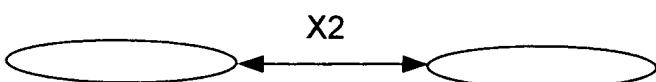
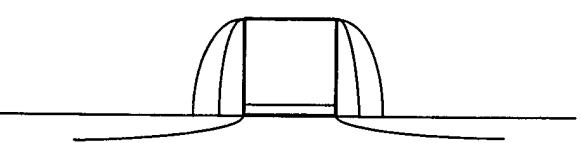


FIG. 8D-2

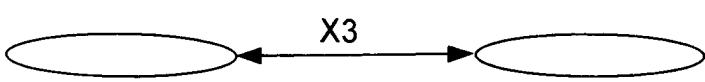
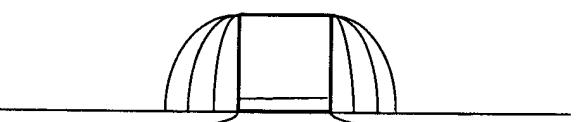
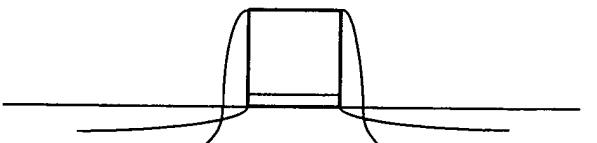


FIG. 8E



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FIG. 9A

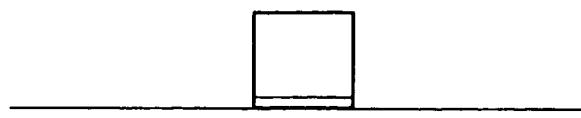


FIG. 9B

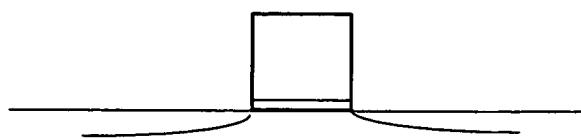


FIG. 9C

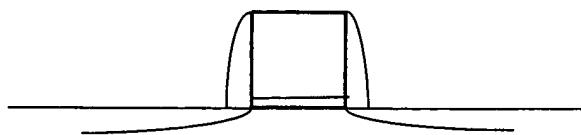


FIG. 9D

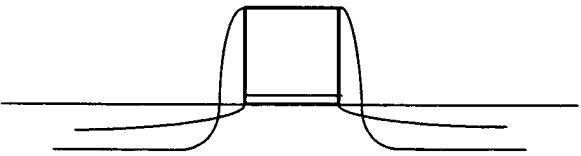


FIG. 9E

